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Division of Agricultural Sciences
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PACIFIC COAST CANNED FRUITS

F.O.B. Price Relationships, 1956–57

Cling Peaches
Pears
Apricots
Freestone Peaches
Fruit Cocktail

Sidney Hoos

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June 1957

PACIFIC COAST CANNED FRUITS F.O.B. PRICE RELATIONSHIPS, 1956-57-- CLING PEACHES, PEARS, APRICOTS, FREESTONE PEACHES, AND FRUIT COCKTAIL

Sidney Hoos[1/]

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1/ Professor of Agricultural Economics and Economist in the Experiment Station and on the Giannini Foundation.

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F.O.B. PRICE RELATIONSHIPS, 1956-57--
CLING PEACHES, PEARS, APRICOTS,
FREESTONE PEACHES, AND FRUIT COCKTAIL

Introduction

This report supersedes and replaces two recently issued reports on Pacific Coast canned fruit prices.[1/] Those two reports included preliminary data on canners' movement for 1956-57 and were issued to provide the fruit industries with then available marketing information. This report includes, and is based on, final and complete data on prices and movements of the various fruits. The data and analyses of their interrelationships are used by governmental and private marketing organizations in the discussion and formulation of marketing policies, plans, and programs.

The form and organization of this report for 1956-57 follows the general procedure used in the comparable reports of the past several years. The report this year, however, includes more complete data and f.o.b. price relationships for Pacific Coast canned freestone peaches. As in previous years, f.o.b. price relationships are included for cling peaches, Pacific Coast pears, and California apricots.

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1/ Hoos, Sidney, Pacific Coast Canned Fruits, F.O.B. Prices and Shipments, 1956-57--Preliminary Report for the 1957 Canning Season (Berkeley: University of California, Division of Agricultural Sciences, Agricultural Experiment Station, June 12, 1957), 16p. Processed.

Hoos, Sidney, Supplement to: Pacific Coast Canned Fruits, F.O.B. Prices and Shipments, 1956-57--Preliminary Report for the 1957 Canning Season (Berkeley: University of California, College of Agriculture, Agricultural Experiment Station, June 15, 1957), 19p. Processed.

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1/ Hood, Sidney. Pacific Coast Canned Fruits, F.O.B. Prices and Movements; 1956-57--Preliminary Report (1st rev.) 1957 (Mimeographed) (Berkeley: University of California, Division of Agricultural Sciences, Agricultural Experiment Station, June 12, 1957). 14p. Processed.

Hood, Sidney. Pacific Coast Canned Fruits, F.O.B. Prices and Movements, 1956-57--Preliminary Report (2nd rev.) 1957 (Mimeographed) (Berkeley: University of California, College of Agriculture, Agricultural Experiment Station, June 12, 1957). 14p. Processed.

F.O.B. Prices and Movement, 1956-57

The f.o.b. prices which reflect the average industry experience during the 1956-57 marketing year are summarized as follows:

Canned fruit	1956-57 average f.o.b. prices
	dollars per case; 24 No. 2½
California cling peaches (choice, No. 2½)	5.35
California apricots (choice, No. 2½)	5.60
Pacific Coast pears (choice, No. 2½)	6.89
Pacific Coast Elberta freestone peaches (fancy, No. 2½)	6.29
California fruit cocktail (choice, No. 2½)	6.22
Hawaiian pineapple (fancy, sliced, No. 2½ f.o.b. San Francisco)	7.40

The movement of canned fruit from canners during 1956-57 is given in detail in the appended tables. But the following summary table indicates the highlights:

Canned fruit	1956-57 movement from canners	
	Total	Domestic commercial
	thousands of cases; 24 No. 2½ basis	
California cling peaches	18,300	15,079
California apricots	4,302	3,854
Pacific Coast pears	7,459	6,792
Pacific Coast freestone peaches	4,688	4,688
California fruit cocktail	10,430	8,888

Also, it is estimated that some 13,250,000 cases (24 No. 2½ basis) of pineapple moved into trade channels through packers' and importers' shipments for domestic civilian consumption.

F.O.B. Prices and Movement, 1956-57

The f.o.b. prices which reflect the average industry experience during the 1956-57 marketing year are summarized as follows:

Canned fruit	1956-57 average f.o.b. prices delivery per case; 24 No. 2½
California cling peaches (choice; No. 2½)	$5.35
California apricots (choice; No. 2½)	$5.60
Pacific Coast pears (choice; No. 2½)	$6.85
Pacific Coast Bartlett freestone peaches (fancy, No. 2½)	$6.25
California fruit cocktail (choice, No. 2½)	$6.22
Hawaiian pineapple (fancy, sliced, No. 2½ f.o.b. San Francisco)	$7.40

The movement of canned fruit from canneries during 1956-57 is given in detail in the appended table. But the following summary table indicates the highlights:

Canned fruit	1956-57 movement from canneries	
	Total	Domestic consumption
	thousands of cases; 24 No. 2½ basis	
California cling peaches	18,300	15,070
California apricots	4,302	3,854
Pacific Coast pears	7,452	6,792
Pacific Coast freestone peaches	4,588	4,688
California fruit cocktail	10,830	8,888

Also, it is estimated that some 2,250,000 cases (24 No. 2½ basis) of pineapple moved into trade channels through wholesal and department stores for domestic civilian consumption.

F.O.B. Price Relationships

In addition to providing the basic marketing information summarized above and in the attached tables, this report presents the results of statistical analyses of the major factors which are related to the industry average f.o.b. prices of canned cling peaches, pears, apricots, and freestone peaches. The major price-affecting factors include the domestic commercial movement from canneries, the level of national disposable personal income, and the relative level of prices of canned fruits competing with the respective canned fruits. Those price-influencing factors are shown in tables appended to this report. The f.o.b. price relationships may be summarized as follows:

Canned Cling Peaches

A change of 1,000,000 cases (24 No. 2½ basis) in the commercial domestic movement of California canned cling peaches, considered by itself, was on the average accompanied by a change in the opposite direction of about 16 cents a case in the f.o.b. price (choice, No. 2½) of canned cling peaches.

An increase of 10 per cent in the index of disposable income, considered by itself, was on the average accompanied by an increase of about 37 cents a case in the f.o.b. price (choice, No. 2½) of canned cling peaches.

A change of ten points in the adjusted index of prices of competing canned fruits, considered by itself, was on the average accompanied by a change in the same direction of about 23 cents a case in the f.o.b. price (choice, No. 2½) of canned clingstone peaches.

Differences between the actual f.o.b. prices of canned cling peaches (choice, No. 2½) and those accounted for by the statistical analysis are given in Table 5 of this report.

Canned Pears

A change of 1,000,000 cases (24 No. 2½ basis) in the commercial domestic movement of Pacific Coast canned pears, considered by itself, was on the average accompanied by a change in the opposite direction of about 64 cents a case in the f.o.b. price (choice, No. 2½) of Pacific Coast canned pears.

An increase of 10 per cent in the index of disposable income, considered by itself, was on the average accompanied by an increase of about 50 cents a case in the f.o.b. price (choice, No. 2½) of Pacific Coast canned pears.

A change of 10 points in the adjusted index of prices of competing canned fruits, considered by itself, was on the average accompanied by a change in the same direction of about 18 cents a case in the f.o.b. price (choice, No. 2½) of Pacific Coast canned pears.

Differences between the actual f.o.b. prices of Pacific Coast canned pears (choice, No. 2½) and those explained by the statistical analysis are given in Table 9 of this report.

Canned Apricots

A change of 1,000,000 cases (24 No. 2½ basis) in the commercial domestic movement of California canned apricots, considered by itself, was on the average accompanied by a change in the opposite direction of about 62 cents a case in the f.o.b. price (choice, No. 2½) of canned apricots.

An increase of 10 per cent in the index of disposable income, considered by itself, was on the average accompanied by an increase of about 28 cents a case in the f.o.b. price (choice, No. 2½) of canned apricots.

[illegible]

A change of 1,[illegible] cases (in No. [illegible] Kaolin) in the [illegible] [illegible] and on the average accompanied by a change in the [illegible] of about [illegible] cases a case in the f.o.b. prices (Kaolin, No. [illegible]) [illegible] [illegible] canned peaches

An increase of 10 per cent in the index of [illegible] [illegible] [illegible] by [illegible] was on the average accompanied by an increase of [illegible] [illegible] of about 50 cents a case in the f.o.b. prices (Kaolin, No. [illegible]) [illegible] [illegible]

A change of 10 points in the adjusted index of [illegible] [illegible] [illegible]

A change of 10 points in the adjusted index of prices of competing canned fruits, considered by itself, was on the average accompanied by a change in the same direction of about 12 cents a case in the f.o.b. price (choice, No. $2\frac{1}{2}$) of canned apricots.

Differences between the actual f.o.b. prices of canned apricots (choice No. $2\frac{1}{2}$) and those explained by the statistical analysis are given in Table 13 of this report.

Canned Freestone Peaches

A change of 500,000 cases (24 No. $2\frac{1}{2}$ basis) in the commercial domestic movement of Pacific Coast canned freestone peaches, considered by itself, was on the average accompanied by a change in the opposite direction of about 40 cents a case in the f.o.b. price (fancy, No. $2\frac{1}{2}$) of Pacific Coast canned freestone peaches.

An increase of 10 per cent in the index of disposable income, considered by itself, was on the average accompanied by an increase of about 50 cents a case in the f.o.b. price (fancy, No. $2\frac{1}{2}$) of Pacific Coast canned freestone peaches.

A change of 10 points in the adjusted index of prices of competing canned fruits, considered by itself, was on the average accompanied by a change in the same direction of about 22 cents a case in the f.o.b. price (fancy, No. $2\frac{1}{2}$) of Pacific Coast canned freestone peaches.

Differences between the actual f.o.b. prices of Pacific Coast canned freestone peaches (fancy, No. $2\frac{1}{2}$) and those accounted for by the statistical analysis are given in Table 17 of this report.

Data

Although the sources of the data on which this report is based are indicated in the footnotes of the various tables, the following supplementary explanations may be noted for the 1956-57 prices, movement data, and other economic information used in the analyses.

The f.o.b. prices of cling peaches, pears, freestone peaches, fruit cocktail, and apricots are industry average prices reflecting cannery operations. The f.o.b. prices for canned pears and freestone peaches reflect operations of canneries in the Pacific Northwest as well as in California. The canned pear and freestone peach prices for the Northwest were collected through the Northwest Canners and Freezers Association and for California were collected through the Canners League of California. The basic price data for canned apricots were also collected through the Canners League of California. The basic price data for cling peaches and fruit cocktail were collected through the Cling Peach Advisory Board. The price data for Hawaiian pineapple are based on published quotations supplemented by trade information.

The data on canner stocks and movement are based on reports issued by the following agencies: for cling peaches and fruit cocktail, the Cling Peach Advisory Board; for apricots, California canned pears, and California canned freestone peaches, the Canners League of California; and for Northwest canned pears and freestone peaches, the Northwest Canners and Freezers Association. The movement data for canned pineapple were derived from trade sources.

The index of United States disposable personal income is based on reports issued by the U. S. Department of Commerce. The levels of competing canned fruit prices, for each of the fruits, are measured by indexes constructed as indicated in Tables 6, 10, 14, and 18 appended to this report. Exports are based on U. S. Department of Commerce reports, and United States government purchases are based on releases issued by the U. S. Departments of Agriculture and Defense.

Although the sources of the data on vision this report is based is given each year in the footnotes of the tables, the following explanations may be added for the 1956-57 prices, movement data, and other economic information used in the analyses.

The final prices of fruit delivered primarily to canneries, fresh markets, and processors are industry average prices reflecting commercial operations. The farm prices for canned peaches and freestone peaches reflect operations of canneries in the Pacific Northwest as well as in California. The canner and processor peach prices for the northwest were obtained through the Pacific West Canners and Preserves Association and the California Peach Growers Association. The farm price data for canned apricots were also obtained through the Canners League of California. The basic price data for other fruits and truck crops were collected through the Bureau Agricultural Econ. The price data for manufacturing grapes are based on price lists issued by wineries.

The data on canner stocks and movement are based on reports issued by the [illegible] Fruit Products Institute, [illegible] Canners Association, [illegible] Fruit Products Institute, [illegible] Canners Association

TABLE 1

F.O.B. Prices[a] of Canned Fruits from 1924-25

Marketing year, June through May	California cling peaches (choice, No. 2½)	California apricots (choice, No. 2½)	Pacific Coast pears (choice, No. 2½)	Pacific Coast[b] Elberta freestone peaches (fancy, No. 2½)	California fruit cocktail (choice, No. 2½)	Hawaiian pineapple (sliced, fancy, No. 2½) f.o.b. San Francisco
	1	2	3	4	5	6
	dollars per case					
1924-25	4.72	4.60	5.85			5.20
1925-26	4.23	4.40	5.90			4.30
1926-27	4.10	4.55	4.70			4.70
1927-28	3.45	4.65	5.00			4.20
1928-29	3.50	4.35	4.50			4.40
1929-30	4.57	4.65	5.25			4.70
1930-31	3.20	4.00	3.90			4.00
1931-32	2.80	3.25	3.10			3.00
1932-33	2.15	2.75	2.75			3.10
1933-34	2.49	3.00	2.90			3.60
1934-35	2.88	4.15	3.35	4.00		3.60
1935-36	2.66	3.25	3.20	3.80		3.60
1936-37	2.79	3.10	3.20	3.80	3.90	3.60
1937-38	3.11	3.30	3.35	3.80	4.00	3.80
1938-39	2.44	2.75	3.05	3.70	3.40	3.40
1939-40	2.56	3.40	3.60	3.60	3.75	3.60
1940-41	2.43	3.80	3.35	3.60	3.35	3.60
(War years)						
1947-48	4.78	6.00	7.10	6.50	6.90	6.10
1948-49	5.10	5.25	8.10	7.00	6.65	6.80
1949-50	4.07	5.00	5.30	5.90	5.70	6.40
1950-51	5.17	5.75	7.80	7.50	6.65	6.80
1951-52	5.53	5.94	7.86	7.50	6.68	6.80
1952-53	5.32	5.68	6.49	7.00	6.41	6.85
1953-54	5.12	5.25	6.91	6.70	6.67	6.85
1954-55	5.17	5.66	6.92	6.45	6.57	6.90
1955-56	5.70	5.10	6.72	6.78	6.56	7.35
1956-57	5.35	5.60	6.89	6.29	6.22	7.40

a/ Based on weighted average canners' f.o.b. sales prices (for cling peaches, apricots, pears, Elberta freestone peaches, and fruit cocktail) determined from canners' reports on their billings and invoices of sales f.o.b. cannery or dock (including brokerage, cash discount, and swell, label, and case allowances but excluding any special or trade discounts and any prepaid charges included in delivery prices such as freight and marine insurance). Prices adjusted to an industry-wide common or nondifferentiated basis by modification for recognized price premiums conventional for certain brands (commonly referred to as "advertising premium" in earlier years).

b/ The Elberta freestone f.o.b. prices for 1954-55 and 1955-56, respectively, are for Pacific Coast; for earlier years, the f.o.b. prices are for California.

Sources:

Cols. 1-5: Based on data compiled through the Cling Peach Advisory Board, Canners League of California, and Northwest Canners and Freezers Association.

Col. 6: Based on quotations supplemented by trade information.

TABLE 2

Canners' Commercial Domestic Movement of Canned Fruits from 1924-25

Marketing year, June through May	California cling peaches	California apricots	Pacific Coast pears	Pacific Coast freestone peaches	California fruit cocktail	Pineapple
	1	2	3	4	5	6
	thousands of cases; 24 No. 2½ basis					
1924-25	4,607	1,235	1,014			5,183
1925-26	7,484	1,755	1,293			6,265
1926-27	8,599	2,038	1,957			6,713
1927-28	10,867	1,779	1,637			7,131
1928-29	10,490	2,195	2,170			5,990
1929-30	7,483	2,259	2,383			7,173
1930-31	9,257	2,183	2,617			8,960
1931-32	5,976	1,541	1,990			6,351
1932-33	8,148	1,521	2,200			6,960
1933-34	7,415	2,034	2,767			7,442
1934-35	7,685	1,477	2,984	325		6,705
1935-36	8,452	1,951	2,670	282		8,582
1936-37	9,358	2,992	3,997	631	2,178	9,989
1937-38	6,854	2,901	2,681	832	2,271	8,529
1938-39	10,127	2,562	3,114	716	2,951	8,292
1939-40	8,673	2,640	2,768	1,206	3,091	10,796
1940-41	11,433	2,012	4,150	1,640	4,514	10,573
(War years)						
1947-48	13,843	2,415	4,866	2,155	8,836	10,112
1948-49	12,382	3,528	3,660	2,322	6,791	11,684
1949-50	15,615	3,072	5,613	2,178	6,977	11,920
1950-51	14,287	3,565	4,815	2,135	7,364	13,077
1951-52	13,648	3,410	4,348	2,507	5,604	9,731
1952-53	14,351	3,148	5,700	3,075	7,452	11,750
1953-54	14,706	3,934	5,401	3,156	6,945	12,111
1954-55	14,086	3,177	6,272	3,841	8,037	12,817
1955-56	15,023	4,494	6,763	3,859	8,145	13,350
1956-57*	15,079	3,854	6,792	4,688	8,888	13,250

* Preliminary; subject to revision.

Sources:

Col. 1: Table 3, column 10.

Col. 2: Table 11, column 8.

Col. 3: Table 7, column 8.

Col. 4: Table 15, column 9.

Col. 5: Table 19, column 9.

Col. 6: Based on data compiled by Pineapple Growers Association of Hawaii and U. S. Department of Commerce, supplemented by data and information from trade sources.

Table 7

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 3

California Canned Cling Peaches, Canners' Pack, Carry-Over, Shipments, and Exports from 1924-25

Marketing year, June through May	Pack	Canners' stocks on hand at beginning of year	Total supply	Canners' stocks on hand at end of year	Total f.o.b. movement from canners' hands	United States government direct f.o.b. purchases			United States exports	F.o.b. commercial domestic movement
						School lunch program	Quarter-master	Total		
	1	2	3	4	5	6	7	8	9	10
	thousands of cases; 24 No. 2½ basis									
1924-25	5,206	1,391	6,597	709	5,888				1,281	4,607
1925-26	9,080	709	9,789	449	9,340				1,856	7,484
1926-27	13,561	449	14,010	3,730	10,280				1,681	8,599
1927-28	10,499	3,730	14,229	1,322	12,907				2,040	10,867
1928-29	14,439	1,322	15,761	3,109	12,652				2,162	10,490
1929-30	7,724	3,109	10,833	1,629	9,204				1,721	7,483
1930-31	13,174	1,629	14,803	3,922	10,881				1,624	9,257
1931-32	8,349	3,922	12,271	4,826	7,445				1,469	5,976
1932-33	6,414	4,826	11,240	1,359	9,881				1,733	8,148
1933-34	10,244	1,359	11,603	2,389	9,214				1,799	7,415
1934-35	8,258	2,389	10,647	1,836	8,811				1,126	7,685
1935-36	10,850	1,836	12,686	1,929	10,757				2,305	8,452
1936-37	10,236	1,929	12,165	1,498	10,667				1,309	9,358
1937-38	12,205	1,498	13,703	5,578	8,125				1,271	6,854
1938-39	9,446	5,578	15,024	2,737	12,287				2,160	10,127
1939-40	10,579	2,737	13,316	2,690	10,626				1,953	8,673
1940-41	9,608	2,690	12,299	779	11,520				87	11,433
(War years)										
1947-48	15,309	456	15,765	1,247	14,518				675	13,843
1948-49	14,650	1,247	15,897	3,061	12,836				454	12,382
1949-50	16,525	3,061	19,586	2,058	17,528	1,196	234	1,430	483	15,615
1950-51	14,417	2,058	16,475	531	15,944		1,173	1,173	484	14,287
1951-52	19,145	531	19,676	3,418	16,258	446	1,734	2,180	430	13,648
1952-53	14,964	3,418	18,382	2,328	16,054	206	983	1,189	514	14,351
1953-54	17,163	2,328	19,490	2,708	15,782	763	510	1,273	803	14,706
1954-55	13,818	2,708	16,526	558	15,968	843	69	912	970	14,086
1955-56	17,923	558	18,481	1,556	16,925	a/	495	495	1,407	15,023
1956-57*	21,322	1,557	22,879	4,579	18,300	599	372	971	2,250	15,079

* Preliminary; subject to revision.

a/No centralized f.o.b. purchases of clings by School Lunch were reported for 1955-56, although School Lunch issued clings presumably acquired at local points.

Sources: Cling Peach Advisory Board, Canners League of California, and U. S. Departments of Agriculture, Commerce, and Defense.

TABLE 4

F.O.B. Prices of Canned Cling Peaches and Related Economic Variables from 1924-25

Marketing year, June through May	F.o.b. price of canned cling peaches (choice, No. $2\frac{1}{2}$)	F.o.b. commercial domestic movement of California cling peaches (24 No. $2\frac{1}{2}$ basis)	Index of United States disposable personal income	Index of competing canned fruit prices
	1	2	3	4
	dollars per case	millions of cases	1947-1949 = 100	
1924-25	4.72	4.607	37.8	215.2
1925-26	4.23	7.484	40.7	174.9
1926-27	4.10	8.599	41.0	178.6
1927-28	3.45	10.867	41.0	168.2
1928-29	3.50	10.490	43.6	158.6
1929-30	4.57	7.483	43.0	175.0
1930-31	3.20	9.257	37.1	168.2
1931-32	2.80	5.976	29.9	160.4
1932-33	2.15	8.148	23.7	197.0
1933-34	2.49	7.415	26.5	197.7
1934-35	2.88	7.685	29.0	195.5
1935-36	2.66	8.452	33.1	164.5
1936-37	2.79	9.358	37.2	146.7
1937-38	3.11	6.854	36.3	158.5
1938-39	2.44	10.127	36.1	141.2
1939-40	2.56	8.673	38.8	145.3
1940-41	2.43	11.433	44.2	124.9
(War years)				
1947-48	4.78	13.843	95.0	108.0
1948-49	5.10	12.382	101.9	103.8
1949-50	4.07	15.615	103.2	88.8
1950-51	5.17	14.287	115.8	92.6
1951-52	5.53	13.648	123.5	87.6
1952-53	5.32	14.351	131.2	78.5
1953-54	5.12	14.706	134.5	77.0
1954-55	5.17	14.086	138.8	75.2
1955-56	5.70	15.023	149.0	70.7
1956-57*	5.35	15.079	156.9	67.0

* Preliminary; subject to revision.

Sources:

Col. 1: Table 1, column 1.

Col. 2: Table 3, column 10.

Col. 3: Table 6, column 4.

Col. 4: Table 6, column 5.

TABLE 5

Actual and Estimated F.O.B. Prices of California Canned Cling Peaches Choice, No. 2½, from 1924-25

Marketing year, June through May	California cling peaches (choice, No. 2½)		Difference: column 1 minus column 2	Percentage difference: column 3 as per cent of column 1
	Actual f.o.b. price	Estimated f.o.b. price		
	1	2	3	4
	dollars per case			per cent
1924-25	4.72	5.04	-.32	- 6.8
1925-26	4.23	3.95	.28	6.6
1926-27	4.10	3.89	.22	5.1
1927-28	3.45	3.29	.17	4.6
1928-29	3.50	3.37	.13	3.7
1929-30	4.57	4.17	.40	8.8
1930-31	3.20	3.15	.05	1.6
1931-32	2.80	2.64	.16	5.7
1932-33	2.15	2.23	-.08	- 3.7
1933-34	2.49	2.80	-.31	-12.4
1934-35	2.88	3.06	-.18	- 6.2
1935-36	2.66	2.74	-.08	- 3.0
1936-37	2.79	2.65	.14	5.0
1937-38	3.11	3.22	-.11	- 3.5
1938-39	2.44	2.28	.16	6.6
1939-40	2.56	2.89	-.33	-12.9
1940-41	2.43	2.50	-.07	- 2.9
(War years)				
1947-48	4.78	4.73	.05	1.0
1948-49	5.10	5.14	-.04	- 0.8
1949-50	4.07	4.33	-.26	- 6.4
1950-51	5.17	5.08	.09	1.7
1951-52	5.53	5.32	.21	3.8
1952-53	5.32	5.24	.08	1.5
1953-54	5.12	5.25	-.13	- 2.5
1954-55	5.17	5.43	-.26	- 5.0
1955-56	5.70	5.45	.25	4.4
1956-57*	5.35	5.56	-.21	- 3.9

* Preliminary; subject to revision.

Sources:

Col. 1: Table 1, column 1.

Col. 2: Estimated by use of data in Table 4 applied to equation (1) on page 13.

TABLE I

Actual and Estimated F.O.B. Values of Philippine Coconut Oil by Textile Choices, 1964-65.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 6

Construction of Adjusted Index of Prices of Canned Fruits Competing with Canned Cling Peaches from 1924-25

Marketing year, June through May	Weighted average prices of competing canned fruits		United States disposable personal income		Adjusted index of competing canned fruit prices, 1947-1949 = 100
	Dollars per case	Index, 1947-48 to 1949-50 = 100	Billions of dollars	Index, 1947-1949 = 100	
	1	2	3	4	5
1924-25	5.1890	81.35	70.9	37.8	215.2
1925-26	4.5410	71.19	76.2	40.7	174.9
1926-27	4.6715	73.23	76.8	41.0	178.6
1927-28	4.4001	68.98	76.9	41.0	168.2
1928-29	4.4104	69.14	81.8	43.6	158.6
1929-30	4.8014	75.27	80.6	43.0	175.0
1930-31	3.9810	62.41	69.5	37.1	168.2
1931-32	3.0591	47.96	56.0	29.9	160.4
1932-33	2.9781	46.69	44.5	23.7	197.0
1933-34	3.3421	52.39	49.6	26.5	197.7
1934-35	3.6170	56.70	54.3	29.0	195.5
1935-36	3.4742	54.46	62.1	33.1	164.5
1936-37	3.4812	54.57	69.8	37.2	146.7
1937-38	3.6709	57.55	68.0	36.3	158.5
1938-39	3.2515	50.97	67.6	36.1	141.2
1939-40	3.5968	56.39	72.8	38.8	145.3
1940-41	3.5216	55.21	82.8	44.2	124.9
(War years)					
1947-48	6.5437	102.58	178.0	95.0	108.0
1948-49	6.7478	105.78	190.9	101.9	103.8
1949-50	5.8460	91.64	193.4	103.2	88.8
1950-51	6.8421	107.26	217.0	115.8	92.6
1951-52	6.9023	108.20	231.4	123.5	87.6
1952-53	6.5669	102.94	245.9	131.2	78.5
1953-54	6.6042	103.53	252.0	134.5	77.0
1954-55	6.6600	104.40	260.2	138.8	75.2
1955-56	6.7216	105.37	279.3	149.0	70.7
1956-57*	6.7037	105.09	294.0	156.9	67.0

* Preliminary; subject to revision.

Sources:

Col. 1: F.o.b. prices (other than clings) in Table 1 weighted by corresponding domestic commercial shipments in Table 2.

Col. 2: Column 1 figures expressed as percentages with 1947-1949 = 100.

Col. 3: Based on income data published in U. S. Department of Commerce, Survey of Current Business (second quarter, 1957, estimated).

Col. 4: Column 3 figures expressed as percentages with 1947-1949 = 100.

Col. 5: Column 2 as per cent of column 4.

Note for Canned Cling Peaches

With price as the dependent variable and the three other variables below considered as the independent variables, multiple-linear regression equation fitted by the method of least squares to the series covering the years 1924-25 through 1956-57 (excluding 1941-42 through 1946-47) is:

$$(1)\ X_1' = -13.428124 \underset{(4.290865)}{-0.158696(X_2)} + \underset{(19.853410)}{9.037853(\log_{10}X_3)} + \underset{(7.199514)}{0.022965(X_4)};\ \bar{R} = 0.98$$

X_1 is the annual average f.o.b. price (choice, No. $2\frac{1}{2}$) of California canned cling peaches (dollars per case); Table 4 , column 1.

X_2 is the canners' commercial domestic movement of California canned cling peaches (in units of 1,000,000 cases); Table 4 , column 2.

X_3 is the index of United States disposable personal income (1947-1949 = 100); Table 4 , column 3.

X_4 is the adjusted index of prices of competing canned fruits (1947-1949 = 100); Table 4 , column 4.

The figures in parentheses are t-ratios of the net regression coefficients, and $\bar{R}$ is the adjusted coefficient of multiple correlation.

TABLE 7

Pacific Coast Canned Pears, Canners' Pack, Carry-Over, Shipments, and Exports from 1924-25

Marketing year, June through May	Pack	Canners' stocks on hand at beginning of year	Total supply	Canners' stocks on hand at end of year	Total f.o.b. movement from canners' hands	United States government, quartermaster, direct f.o.b. purchases	United States exports	F.o.b. commercial domestic movement
	1	2	3	4	5	6	7	8
	thousands of cases; 24 No. 2½ basis							
1924-25	2,119	142	2,261	51	2,210		1,196	1,014
1925-26	3,429	51	3,480	507	2,973		1,680	1,293
1926-27	3,260	507	3,767	401	3,366		1,409	1,957
1927-28	2,639	401	3,040	167	2,873		1,236	1,637
1928-29	4,116	167	4,283	292	3,991		1,821	2,170
1929-30	4,206	292	4,498	952	3,546		1,163	2,383
1930-31	4,153	952	5,105	893	4,212		1,595	2,617
1931-32	3,635	893	4,528	870	3,658		1,668	1,990
1932-33	3,117	870	3,987	429	3,558		1,358	2,200
1933-34	4,377	429	4,806	273	4,533		1,766	2,767
1934-35	5,505	273	5,778	1,291	4,487		1,503	2,984
1935-36	4,230	1,291	5,521	957	4,564		1,894	2,670
1936-37	5,355	957	6,312	850	5,462		1,465	3,997
1937-38	4,321	850	5,171	1,150	4,021		1,340	2,681
1938-39	4,090	1,150	5,240	400	4,840		1,726	3,114
1939-40	4,057	400	4,457	280	4,177		1,409	2,768
1940-41								4,150
(War years)								
1947-48	5,622	200	5,822	726	5,096		230	4,866
1948-49	3,831	726	4,557	761	3,796		136	3,660
1949-50	5,459	761	6,220	448	5,772		159	5,613
1950-51	6,048	448	6,496	566	5,930	900	215	4,815
1951-52	6,215	566	6,781	1,575	5,206	763	95	4,348
1952-53	6,003	1,575	7,578	1,361	6,217	386	131	5,700
1953-54	5,185	1,361	6.546	747	5,799	282	116	5,401
1954-55	7,475	747	8,222	1,545	6,677	145	260	6,272
1955-56	7,849	1,545	9,394	1,609	7,785	276	746	6,763
1956-57*	8,437	1,609	10,046	2,587	7,459	382	285	6,792

* Preliminary; subject to revision.

Sources: Canners League of California, Northwest Canners and Freezers Association, and U. S. Departments of Agriculture, Commerce, and Defense.

* Preliminary; subject to revision.

TABLE 8

F.O.B. Prices of Pacific Coast Canned Pears and Related Economic Variables from 1926-27

Marketing year, June through May	F.o.b. price of Pacific Coast canned pears (choice No. 2½)	F.o.b. commercial domestic movement of Pacific Coast canned pears	Index of United States disposable income	Adjusted index of competing canned fruit prices
	1	2	3	4
	dollars per case	thousands of cases; 24 No. 2½ basis	1947-1949 = 100	
1926-27	4.70	1,957	41.0	188.1
1927-28	5.00	1,637	41.0	164.2
1928-29	4.50	2,170	43.6	156.9
1929-30	5.25	2,383	43.0	189.6
1930-31	3.90	2,617	37.1	172.4
1931-32	3.10	1,990	29.9	173.0
1932-33	2.75	2,200	23.7	193.2
1933-34	2.90	2,767	26.5	201.8
1934-35	3.35	2,984	29.0	201.1
1935-36	3.20	2,670	33.1	167.6
1936-37	3.20	3,997	37.2	154.5
1937-38	3.35	2,681	36.3	171.1
1938-39	3.05	3,114	36.1	143.3
1939-40	3.60	2,768	38.8	147.4
(War years)				
1948-49	8.10	3,660	101.9	104.3
1949-50	5.30	5,613	103.2	88.8
1950-51	7.80	4,815	115.8	93.1
1951-52	7.86	4,348	123.5	88.9
1952-53	6.49	5,700	131.2	82.0
1953-54	6.91	5,401	134.5	78.7
1954-55	6.92	6,272	138.8	77.5
1955-56	6.72	6,763	149.0	75.3
1956-57*	6.89	6,792	156.9	69.8

* Preliminary; subject to revision.

Sources:

Col. 1: Table 1, column 3.

Col. 2: Table 2, column 3.

Col. 3: Table 10, column 4.

Col. 4: Table 10, column 5.

TABLE 3

Table 3. Prices of Imported Goods Used from the United Kingdom, Germany, Switzerland (Constant Prices)

Commodity	Index of Imported Goods (Constant Prices)		Index of Imported Goods (Constant Prices)		Index of Imported Goods (Constant Prices)		Index of Imported Goods (Constant Prices)	
	[illegible]		[illegible]		[illegible]		[illegible]	
	[illegible]		[illegible]		[illegible]		[illegible]	
[illegible]

TABLE 9

Actual and Estimated F.O.B. Prices of Pacific Coast Canned Pears
Choice, No. $2\frac{1}{2}$, from 1926-27

Marketing year, June through May	Pacific Coast canned pears (choice, No. $2\frac{1}{2}$)		Difference: column 1 minus column 2	Column 3 as per cent of column 1
	Actual f.o.b. price	Estimated f.o.b. price		
	1	2	3	4
	dollars per case			per cent
1926-27	4.70	5.23	-.53	-11.3
1927-28	5.00	5.00	0	0
1928-29	4.50	4.84	-.34	- 7.6
1929-30	5.25	5.24	.01	0.2
1930-31	3.90	4.01	-.11	2.8
1931-32	3.10	3.30	-.20	- 6.4
1932-33	2.75	2.33	.42	15.3
1933-34	2.90	2.71	.19	6.5
1934-35	3.35	3.02	.33	9.8
1935-36	3.20	3.29	-.09	- 2.8
1936-37	3.20	2.81	.39	12.2
1937-38	3.35	3.83	-.48	-14.3
1938-39	3.05	3.01	.04	1.3
1939-40	3.60	3.68	-.08	- 2.2
(War years)				
1948-49	8.10	7.33	.77	9.5
1949-50	5.30	5.87	-.57	-10.8
1950-51	7.80	7.06	.74	9.5
1951-52	7.86	7.61	.25	3.2
1952-53	6.49	6.94	-.45	- 6.9
1953-54	6.91	7.20	-.28	- 4.2
1954-55	6.92	6.78	.14	2.0
1955-56	6.72	6.80	-.08	- 1.2
1956-57*	6.89	6.95	-.06	- 0.9

* Preliminary; subject to revision.

Sources:

Col. 1: Table 8 , column 1.

Col. 2: Estimated by use of data in Table 8 applied to equation (1) on page 18.

[illegible]

[illegible]

[illegible]

TABLE 10

Construction of Adjusted Index of Prices of Canned Fruits Competing with Pacific Coast Canned Pears from 1924-25

Marketing year, June through May	Weighted average prices of competing canned fruits		United States disposable income		Adjusted index of competing canned fruit prices 1947-1949 = 100
	Dollars per case	Index, 1947-48 to 1949-50 = 100	Billions of dollars	Index, 1947-48 to 1949-50 = 100	
	1	2	3	4	5
1924-25	4.9322	86.76	70.9	37.8	229.5
1925-26	4.2775	75.24	76.2	40.7	184.9
1926-27	4.3850	77.13	76.8	41.0	188.1
1927-28	3.8284	67.34	76.9	41.0	164.2
1928-29	3.8886	68.40	81.8	43.6	156.9
1929-30	4.6358	81.54	80.6	43.0	189.6
1930-31	3.6370	63.97	69.5	37.1	172.4
1931-32	2.9416	51.74	56.0	29.9	173.0
1932-33	2.6025	45.78	44.5	23.7	193.2
1933-34	3.0405	53.48	49.6	26.5	201.8
1934-35	3.3163	58.33	54.3	29.0	201.1
1935-36	3.1549	55.49	62.1	33.1	167.6
1936-37	3.2677	57.48	69.8	37.2	154.5
1937-38	3.5303	62.10	68.0	36.3	171.1
1938-39	2.9414	51.74	67.6	36.1	143.3
1939-40	3.2517	57.20	72.8	38.8	147.4
1940-41	3.1262	54.99	82.8	44.2	124.4
(War years)					
1947-48	5.8005	102.03	178.0	95.0	107.4
1948-49	6.0461	106.31	190.9	101.9	104.3
1949-50	5.2143	91.69	193.4	103.2	88.8
1950-51	6.1329	107.84	217.0	115.8	93.1
1951-52	6.2418	109.76	231.4	123.5	88.9
1952-53	6.1214	107.64	245.9	131.2	82.0
1953-54	6.0206	105.87	252.0	134.5	78.7
1954-55	6.1209	107.63	260.2	138.8	77.5
1955-56	6.3798	112.18	279.3	149.0	75.3
1956-57*	6.2299	109.55	294.0	156.9	69.8

* Preliminary; subject to revision.

Sources:

Col. 1: F.o.b. prices (other than pears) in Table 1 weighted by corresponding shipments in Table 2.

Col. 2: Figures in column 1 expressed as percentages with 1947-1949 = 100.

Col. 3: Based on income data in U. S. Department of Commerce Survey of Current Business (second quarter, 1957, estimated).

Col. 4: Figures in column 3 expressed as percentages with 1947-1949 = 100.

Col. 5: Column 2 as per cent of column 4.

[illegible]

[illegible]

[illegible]

Note for Canned Pears

With price as the dependent variable and the three other variables below considered as the independent variables, multiple-linear regression equation fitted by the method of least squares to the series covering the years 1926-27 through 1956-57 (excluding 1940-41 through 1947-48) is:

$$(1)\ X_1' = -16.266864 \underset{(5.371940)}{-0.000636(X_2)} + \underset{(10.899770)}{11.954567(\log_{10}X_3)} + \underset{(2.621884)}{0.018426(X_4)};\ \bar{R} = 0.98$$

X_1 is the annual average f.o.b. price (choice, No. $2\frac{1}{2}$) of Pacific Coast canned pears (dollars per case); Table 8, column 1.

X_2 is the canners' commercial domestic movement of Pacific Coast canned pears (in units of 1,000 cases); Table 8, column 2.

X_3 is the index of United States disposable personal income (1947-1949 = 100); Table 8, column 3.

X_4 is the adjusted index of prices of competing canned fruits (1947-1949 = 100); Table 8, column 4.

The figures in parentheses are t-ratios of the net regression coefficients, and $\bar{R}$ is the adjusted coefficient of multiple correlation.

[illegible]

With pedes as series dependent variable and the two other variables below considered as the independent variables, [illegible] regression equation fitted by the method of least squares, [illegible] the years 1950-[illegible]

[illegible]

X_1 is the annual average [illegible] (dollars, [illegible]) or [illegible] annual price (dollars per [illegible]) [illegible].

X_2 is the annual [illegible] movement [illegible] (in [illegible] [illegible]).

X_3 is the index of [illegible] [illegible] (1947-1949 = 100) [illegible] 2, column 2).

X_4 is the adjusted index of [illegible] [illegible] (1947-1949 = 100) [illegible] 2, column 2).

The figures in parentheses are [illegible] standard errors, and $\bar{R}$ is the adjusted [illegible].

TABLE 11

California Canned Apricots, Canners' Pack, Carry-Over, Shipments, and Exports from 1924-25

Marketing year, June through May	Pack	Canners' stocks on hand at beginning of year	Total supply	Canners' stocks on hand at end of year	Total f.o.b. movement from canners' hands	United States government, quartermaster, direct f.o.b. purchases	United States exports	F.o.b. commercial domestic movement
	1	2	3	4	5	6	7	8
	thousands of cases; 24 No. 2½ basis							
1924-25	1,968	298	2,266	315	1,951		716	1,235
1925-26	2,094	315	2,409	21	2,388		633	1,755
1926-27	3,227	21	3,248	401	2,847		809	2,038
1927-28	2,960	401	3,361	952	2,409		630	1,779
1928-29	1,991	952	2,943	154	2,789		594	2,195
1929-30	4,023	154	4,177	1,189	2,988		729	2,259
1930-31	1,954	1,189	3,143	546	2,597		414	2,183
1931-32	2,006	546	2,552	515	2,037		496	1,541
1932-33	1,805	515	2,320	323	1,997		476	1,521
1933-34	2,416	323	2,739	167	2,572		538	2,034
1934-35	1,774	167	1,941	227	1,714		237	1,477
1935-36	3,164	227	3,391	844	2,547		596	1,951
1936-37	2,899	844	3,743	228	3,515		523	2,992
1937-38	5,553	228	5,781	2,305	3,476		575	2,901
1938-39	1,547	2,305	3,852	528	3,324		762	2,562
1939-40	3,338	528	3,866	479	3,387		747	2,640
1940-41	1,815	479	2,294	269	2,025		13	2,012
(War years)								
1947-48	3,063	279	3,342	639	2,703		288	2,415
1948-49	4,651	639	5,290	1,508	3,782		254	3,528
1949-50	2,307	1,508	3,815	532	3,283		211	3,072
1950-51	3,661	532	4,193	115	4,078	376	136	3,566
1951-52	4,538	115	4,653	614	4,039	496	133	3,410
1952-53	3,905	614	4,519	646	3,873	613	112	3,148
1953-54	4,718	646	5,364	1,021	4,343	245	164	3,934
1954-55	2,678	1,021	3,699	222	3,477	54	246	3,177
1955-56	5,781	222	6,003	1,176	4,827	118	215	4,494
1956-57*	4,118	1,177	5,295	993	4,302	148	300	3,854

* Preliminary; subject to revision.

Sources: Canners League of California and U. S. Departments of Agriculture, Commerce, and Defense.

[illegible]

[illegible]

[illegible]

TABLE 12

F.O.B. Prices of Canned Apricots and Related Economic Variables from 1924-25

Marketing year, June through May	F.o.b. prices of canned California apricots (choice, No. 2½)	F.o.b. commercial domestic movement of California canned apricots	Index of United States disposable income	Index of competing canned fruit prices
	1	2	3	4
	dollars per case	thousands of cases; 24 No. 2½ basis	1947-1949 = 100	
1924-25	4.60	1,235	37.8	229.1
1925-26	4.40	1,755	40.7	185.3
1926-27	4.55	2,038	41.0	183.8
1927-28	4.65	1,779	41.0	160.9
1928-29	4.35	2,195	43.6	153.4
1929-30	4.65	2,259	43.0	188.0
1930-31	4.00	2,183	37.1	167.7
1931-32	3.25	1,541	29.9	167.8
1932-33	2.75	1,521	23.7	188.5
1933-34	3.00	2,034	26.5	195.4
1934-35	4.15	1,477	29.0	192.1
1935-36	3.25	1,951	33.1	163.1
1936-37	3.10	2,992	37.2	150.8
1937-38	3.30	2,901	36.3	167.0
1938-39	2.75	2,562	36.1	141.1
1939-40	3.40	2,640	38.8	144.5
1940-41	3.80	2,012	44.2	120.6
(War years)				
1947-48	6.00	2,415	95.0	107.2
1948-49	5.25	3,528	101.9	106.4
1949-50	5.00	3,072	103.2	87.4
1950-51	5.75	3,566	115.8	94.0
1951-52	5.94	3,410	123.5	89.7
1952-53	5.68	3,148	131.2	81.0
1953-54	5.25	3,934	134.5	79.0
1954-55	5.66	3,177	138.8	77.3
1955-56	5.10	4,494	149.0	75.3
1956-57*	5.60	3,854	156.9	69.5

* Preliminary; subject to revision.

Sources:

Col. 1: Table 1, column 2.
Col. 2: Table 2, column 2.
Col. 3: Table 14, column 4.
Col. 4: Table 14, column 5.

TABLE 11

Table [illegible] of [illegible] [illegible] and [illegible]
[illegible] [illegible] [illegible] [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]

TABLE 13

Actual and Estimated F.O.B. Prices of California Canned Apricots Choice, No. 2½, from 1924-25

Marketing year, June through May	California canned apricots (choice, No. 2½)		Difference: column 1 minus column 2	Column 3 as per cent of column 1
	Actual f.o.b. price	Estimated f.o.b. price		
	1	2	3	4
	dollars per case			per cent
1924-25	4.60	5.16	-.56	-12.2
1925-26	4.40	4.51	-.11	- 2.5
1926-27	4.55	4.34	.21	4.6
1927-28	4.65	4.21	.44	9.5
1928-29	4.35	4.04	.31	7.1
1929-30	4.65	4.39	.26	5.6
1930-31	4.00	3.75	.25	6.2
1931-32	3.25	3.50	-.25	- 7.7
1932-33	2.75	3.08	-.33	-12.0
1933-34	3.00	3.18	-.18	- 6.0
1934-35	4.15	3.75	.40	9.6
1935-36	3.25	3.49	-.24	- 7.4
1936-37	3.10	3.04	.06	1.9
1937-38	3.30	3.23	.07	2.1
1938-39	2.75	3.10	-.35	-12.7
1939-40	3.40	3.31	.09	2.6
1940-41	3.80	3.79	.01	0.3
(War years)				
1947-48	6.00	5.66	.34	5.7
1948-49	5.25	5.16	.09	1.7
1949-50	5.00	5.25	-.25	- 5.0
1950-51	5.75	5.37	.38	6.6
1951-52	5.94	5.60	.34	5.7
1952-53	5.68	5.84	-.16	- 2.8
1953-54	5.25	5.40	-.15	- 2.9
1954-55	5.66	5.94	-.28	- 5.0
1955-56	5.10	5.31	-.21	- 4.1
1956-57*	5.60	5.79	-.19	- 3.4

* Preliminary; subject to revision.

Sources:

Col. 1: Table 1, column 1.

Col. 2: Estimated by use of data in Table 12 applied to equation (1) on page 23.

TABLE 14

Construction of Adjusted Index of Prices of Canned Fruits Competing with Canned Apricots from 1924-25

Marketing year, June through May	Weighted average prices of competing canned fruits		United States disposable personal income		Adjusted index of competing canned fruit prices, 1947-1949 = 100
	Dollars per case	Index, 1947-48 to 1949-50 = 100	Billions of dollars	Index, 1947-1949 = 100	
	1	2	3	4	5
1924-25	5.0563	86.59	70.9	37.8	229.1
1925-26	4.4027	75.40	76.2	40.7	185.3
1926-27	4.4012	75.37	76.8	41.0	183.8
1927-28	3.8516	65.96	76.9	41.0	160.9
1928-29	3.9054	66.88	81.8	43.6	153.4
1929-30	4.7198	80.83	80.6	43.0	188.0
1930-31	3.6320	62.20	69.5	37.1	167.7
1931-32	2.9304	50.18	56.0	29.9	167.8
1932-33	2.6083	44.67	44.5	23.7	188.5
1933-34	3.0231	51.77	49.6	26.5	195.4
1934-35	3.2524	55.70	54.3	29.0	192.1
1935-36	3.1516	53.97	62.1	33.1	163.1
1936-37	3.2766	56.11	69.8	37.2	150.8
1937-38	3.5391	60.61	68.0	36.3	167.0
1938-39	2.9745	50.94	67.6	36.1	141.1
1939-40	3.2735	56.06	72.8	38.8	144.5
1940-41	3.1128	53.31	82.8	44.2	120.6
(War years)					
1947-48	5.9505	101.87	178.0	95.0	107.2
1948-49	6.3312	108.39	190.9	101.9	106.4
1949-50	5.2417	89.74	193.4	103.2	87.0
1950-51	6.3596	108.88	217.0	115.8	94.0
1951-52	6.4684	110.74	231.4	123.5	89.7
1952-53	6.2050	106.23	245.9	131.2	81.0
1953-54	6.2085	106.29	252.0	134.5	79.0
1954-55	6.2647	107.25	260.2	138.8	77.3
1955-56	6.5506	112.15	279.3	149.0	75.3
1956-57*	6.3719	109.09	294.0	156.9	69.5

* Preliminary; subject to revision.

Sources:

Col. 1: F.o.b. prices (other than apricots) in Table 1 weighted by corresponding shipments in Table 2.

Col. 2: Figures in column 1 expressed as percentages with 1947-1949 = 100.

Col. 3: Based on income data in U. S. Department of Commerce, Survey of Current Business (second quarter, 1957, estimated).

Col. 4: Column 3 figures expressed as percentages with 1947-1949 = 100.

Col. 5: Column 2 as per cent of column 4.

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Note for Canned Apricots

With price as the dependent variable and the three other variables below considered as the independent variables, multiple-linear regression equation fitted by the method of least squares to the series covering the years 1924-25 through 1956-57 (excluding 1941-42 through 1946-47) is:

$$(1)\ X_1' = -7.772992 \underset{(4.497199)}{-0.000623(X_2)} + \underset{(12.805931)}{6.877258(\log_{10}X_3)} + \underset{(3.741821)}{0.012440(X_4)};\ \bar{R} = 0.96$$

X_1 is the annual average f.o.b. price (choice, No. $2\frac{1}{2}$) of California canned apricots (dollars per case); Table 12, column 1.

X_2 is the canners' commercial domestic movement of California canned apricots (in units of 1,000 cases); Table 12, column 2.

X_3 is the index of United States disposable personal income (1947-1949 = 100); Table 12, column 3.

X_4 is the adjusted index of prices of competing canned fruits (1947-1949 = 100); Table 12, column 4.

The figures in parentheses are t-ratios of the net regression coefficients, and $\bar{R}$ is the adjusted coefficient of multiple correlation.

TABLE 15

Canned Freestone Peaches, Canners' Pack
Carry-Over, Shipments, and Exports from 1934-35

Marketing year, June through May	Pack	Canners' stocks on hand at beginning of year	Total supply	Canners' stocks on hand at end of year	Total f.o.b. movement from canners' hands	United States government direct f.o.b. purchases			F.o.b. commercial domestic movement[a]
						School lunch program	Quarter-master	Total	
	1	2	3	4	5	6	7	8	9
	thousands of cases; 24 No. 2½ basis								
California canned freestone peaches									
1947-48	1,497	41	1,538	248	1,291				1,291
1948-49	1,708	248	1,952	265	1,690				1,690
1949-50	1,499	265	1,764	271	1,493	30		30	1,463
1950-51	1,677	271	1,948	52	1,896				1,896
1951-52	2,793	52	2,845	374	2,471		200	200	2,271
1952-53	2,670	374	3,044	465	2,579		100	100	2,479
1953-54	2,580	465	3,045	397	2,648	37	77	114	2,534
1954-55	3,113	397	3,510	340	3,170				3,170
1955-56	3,007	340	3,347	322	3,025				3,025
1956-57*	4,493	322	4,815	1,076	3,739				3,739
Pacific Coast canned freestone peaches[b]									
1934-35	344	2	346	21	325				325
1935-36	373	21	394	112	282				282
1936-37	588	112	700	69	631				631
1937-38	1,198	69	1,267	435	832				832
1938-39	550	435	985	269	716				716
1939-40	1,210	269	1,479	273	1,206				1,206
1940-41	1,541	273	1,814	174	1,640				1,640
(War years)									
1947-48	2,525	71	2,596	441	2,155				2,155
1948-49	2,310	441	2,751	429	2,322				2,322
1949-50	2,236	429	2,665	457	2,208	30		30	2,178
1950-51	1,743	457	2,200	65	2,135				2,135
1951-52	3,106	65	3,171	464	2,707		200	200	2,507
1952-53	3,432	464	3,896	721	3,175		100	100	3,075
1953-54	3,150	721	3,871	601	3,270	37	77	114	3,156
1954-55	3,698	601	4,299	458	3,841				3,841
1955-56	3,989	458	4,447	588	3,859				3,859
1956-57*	5,668	588	6,256	1,568	4,688				4,688

(Continued on next page.)

Table 15 continued.

* Preliminary; subject to revision.

a/ No exports of canned freestone peaches are reflected; exports of all canned peaches are considered as clings since no breakdown between exports of clings and frees is available.

b/ For the prewar years, the only Northwest data available are packs (in actual cases), and they are combined with California data (24 No. 2½ basis) to derive estimated Pacific Coast data. For the postwar years, however, Pacific Coast reflects combined data (24 No. 2½ basis) on packs and canners' stocks for California and the Northwest.

Sources: Canners League of California, Northwest Canners and Freezers Association, and U. S. Departments of Agriculture and Defense.

TABLE 16

F.O.B. Prices of Pacific Coast Freestone Peaches and Related Economic Variables from 1934-35

Marketing year, June through May	F.o.b. prices of Pacific Coast canned freestone peaches (fancy, No. 2½)a/	F.o.b. commercial domestic movement of Pacific Coast canned freestone peaches	Index of United States disposable income	Adjusted index of competing canned fruit prices
	1	2	3	4
	dollars per case	thousands of cases; 24 No. 2½ basis	1947-1949 = 100	
1934-35	4.00	325	29.0	197.5
1935-36	3.80	282	33.1	164.8
1936-37	3.80	631	37.2	151.1
1937-38	3.80	832	36.3	166.9
1938-39	3.70	716	36.1	140.8
1939-40	3.60	1,206	38.8	146.1
1940-41	3.60	1,640	44.2	122.8
(War years)				
1947-48	6.50	2,156	95.0	108.1
1948-49	7.00	2,322	101.9	105.3
1949-50	5.90	2,178	103.2	87.2
1950-51	7.50	2,135	115.8	93.5
1951-52	7.50	2,507	123.5	89.0
1952-53	7.00	3,075	131.2	80.7
1953-54	6.70	3,156	134.5	78.4
1954-55	6.45	3,841	138.8	77.3
1955-56	6.78	3,859	149.0	74.6
1956-57*	6.29	4,688	156.9	69.7

* Preliminary; subject to revision.

a/ The freestone peach prices for 1954-55, 1955-56, and 1956-57 are for Pacific Coast; the freestone peach prices for earlier years are for California.

Sources:

Col. 1: Table 1, column 4.

Col. 2: Table 15, column 9.

Col. 3: Table 18, column 4.

Col. 4: Table 18, column 5.

TABLE 3X

Total expense of Tuolumne County Fumigation Program and Acreage
Treated, Fiscal Year 1976

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 17

Actual and Estimated F.O.B. Prices of Pacific Coast Canned Freestone Peaches, Fancy, No. 2½, from 1934-35

Marketing year, June through May	Pacific Coast canned freestone peaches (fancy, No. 2½)		Difference: column 1 minus column 2	Column 3 as per cent of column 1
	Actual f.o.b. price	Estimated f.o.b. price		
	1	2	3	4
	dollars per case			per cent
1934-35	4.00	3.95	.05	1.2
1935-36	3.80	3.91	-.11	-2.9
1936-37	3.80	3.93	-.13	-3.4
1937-38	3.80	4.01	.21	-5.5
1938-39	3.70	3.47	.23	6.2
1939-40	3.60	3.58	.02	0.6
1940-41	3.60	3.38	.22	6.1
(War years)				
1947-48	6.50	6.58	-.08	-1.2
1948-49	7.00	6.74	.26	3.7
1949-50	5.90	6.48	-.58	-9.8
1950-51	7.50	7.28	.22	2.9
1951-52	7.50	7.21	.29	3.8
1952-53	7.00	6.89	.11	1.6
1953-54	6.00	6.90	-.20	-3.0
1954-55	6.45	6.51	-.06	-0.9
1955-56	6.78	6.79	-.01	0.2
1956-57*	6.29	6.30	-.01	-0.2

* Preliminary; subject to revision.

Sources:

Col. 1: Table 16, column 1.

Col. 2: Estimated by use of data in Table 16 applied to equation (1) on page 29.

Col. 1: Table 16, column 1.

Col. 2: Recomputed by use of data in Table 16 applied to equation (1) on page 29.

TABLE 18

Construction of Adjusted Index of Prices of Canned Fruits Competing with Canned Freestone Peaches from 1934-35

Marketing year, June through May	Weighted average prices of competing canned fruits		United States disposable personal income		Adjusted index of competing canned fruit prices, 1947-1949 = 100
	Dollars per case	Index, 1947-48 to 1949-50 = 100	Billions of dollars	Index, 1947-1949 = 100	
	1	2	3	4	5
1934-35	3.3100	57.27	54.3	29.0	197.5
1935-36	3.1523	54.54	62.1	33.1	164.8
1936-37	3.2485	56.20	69.8	37.2	151.1
1937-38	3.5017	60.59	68.0	36.3	166.9
1938-39	2.9387	50.84	67.6	36.1	140.8
1939-40	3.2752	56.67	72.8	38.8	146.1
1940-41	3.1367	54.27	82.8	44.2	122.8
(War years)					
1947-48	5.9358	102.70	178.0	95.0	108.1
1948-49	6.2013	107.29	190.9	101.9	105.3
1949-50	5.2022	90.01	193.4	103.2	87.2
1950-51	6.2590	108.29	217.0	115.8	93.5
1951-52	6.3556	109.96	231.4	123.5	89.0
1952-53	6.1196	105.88	245.9	131.2	80.7
1953-54	6.0921	105.40	252.0	134.5	78.4
1954-55	6.2053	107.36	260.2	138.8	77.3
1955-56	6.3956	110.65	279.3	149.0	74.3
1956-57*	6.3177	109.31	294.0	156.9	69.7

* Preliminary; subject to revision.

Sources:

Col. 1: F.o.b. prices (other than freestone peaches) in Table 1 weighted by corresponding shipments in Table 2.

Col. 2: Figures in column 1 expressed as percentages with 1947-1949 = 100.

Col. 3: Based on income data in U. S. Department of Commerce, Survey of Current Business (second quarter, 1957, estimated).

Col. 4: Figures in column 3 expressed as percentages with 1947-1949 = 100.

Col. 5: Column 2 as per cent of column 4.

Table 1

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Note for Canned Freestone Peaches

With price as the dependent variable and the three other variables below considered as the independent variables, multiple-linear regression equation fitted by the method of least squares to the series covering the years 1934-35 through 1956-57 (excluding 1941-42 through 1946-47) is:

$$(1)\quad X_1' = -17.617544 \underset{(6.113167)}{-0.00078(X_2)} + \underset{(13.758633)}{11.833824(\log_{10}X_3)} + \underset{(3.998269)}{0.022857(X_4)};\ \bar{R} = 0.99$$

X_1 is the annual average f.o.b. price (fancy, No. $2\frac{1}{2}$) of Pacific Coast canned freestone peaches (dollars per case); Table 16, column 1.

X_2 is the canners' commercial domestic movement of Pacific Coast canned freestone peaches (in units of 1,000 cases); Table 16, column 2.

X_3 is the index of United States disposable personal income (1947-1949 = 100); Table 16, column 3.

X_4 is the adjusted index of prices of competing canned fruits (1947-1949 = 100); Table 16, column 4.

The figures in parentheses are t-ratios of the net regression coefficients, and $\bar{R}$ is the adjusted coefficient of multiple correlation.

[illegible]

With price as the dependent variable, and the three other variables below [illegible]

(Ordinary two method of least squares to the series covering the years 1[illegible]-[illegible]

[illegible]):

(1) $Y_1 = -12.6[illegible] - [illegible]X_2 + 11.[illegible]\log X_3 + 0.00[illegible]X_4$; $\bar{R} = 0.[illegible]$

([illegible]) ([illegible]) ([illegible])

Y_1 is the annual average f.o.b. price (Party, No. 2[illegible]) of Pacific Coast [illegible]

Y_2 is the economic commercial inventory movement of Pacific Coast canned [illegible]

inventories, in units of 1,000 cases; Table 1[illegible], column 2.

X_3 is the index of United States disposable personal income (1947-1949 = 100); [illegible]

Table 1[illegible], column 3.

X_4 is the adjusted index of prices of competitive canned fruits

(1947-1949 = 100); Table 1[illegible], column 4.

The figures in parentheses are standard errors of the regression coefficients, and $\bar{R}$ is the adjusted coefficient of multiple correlation.

TABLE 19

California Canned Fruit Cocktail, Canners' Pack, Carry-Over, Shipments, and Exports

Marketing year June through May	Direct pack	Remanufactured pack	Canners' carry-over on hand at beginning of year	Total supply	Canners' carry-over on hand at end of year	Total f.o.b. movement from canners' hands	United States government, quartermaster, direct f.o.b. purchases	United States exports	F.o.b. commercial domestic movement
	1	2	3	4	5	6	7	8	9
	thousands of cases; 24 No. 2½ basis								
1936-37	2,119	90.000	385	2,595	336	2,259		81	2,178
1937-38	3,078	228.000	336	3,642	1,295	2,347		76	2,271
1938-39	1,968	75.000	1,295	3,337	288	3,049		98	2,951
1939-40	3,580	73.000	288	3,942	747	3,195		104	3,091
1940-41	4,262	98.000	747	5,108	587	4,521		7	4,514
(War years)									
1947-48	9,324	125.000	62	9,511	299	9,212		376	8,836
1948-49	9,754	85.000	299	10,139	3,016	7,122		331	6,791
1949-50	6,135	445.000	3,016	9,596	2,014	7,492	115	400	6,977
1950-51	6,810	302.000	2,104	9,217	490	8,727	747	616	7,364
1951-52	8,999		490	9,488	2,335	7,153	949	601	5,604
1952-53	7,489	0.277	2,335	9,824	1,047	8,777	423	902	7,452
1953-54	8,056	172.000	1,047	9,274	1,287	7,987	297	745	6,945
1954-55	9,074		1,287	10,361	1,226	9,135	113	985	8,037
1955-56	9,809		1,226	11,035	1,548	9,487	246	1,096	8,145
1956-57*	11,033		1,548	12,581	2,151	10,430	192	1,350	8,888

* Preliminary; subject to revision.

Sources: Canners League of California and U. S. Departments of Commerce and Defense.

TABLE 19

California Canned Fruit Cocktail, Canners' Pack, Carry-Over, Shipments, and Exports

Marketing year beginning May	Direct pack	Seasonal factored pack	Canners' carry-over on hand at beginning of year	Total supply	Canners' carry-over on hand at end of year	Total f.o.b. movement from canners' hands	United States government, quantity, direct f.o.b. purchases	United States exports	f.o.b. commercial domestic movement
	1	2	3	4	5	6	7	8	9
	Thousands of cases; 24 No. 2½ basis								
1946-47	2,119	90,000	385	2,595	356	2,239		81	2,158
1947-48	3,078	228,000	336	3,642	1,295	2,347		65	2,282
1948-49	1,968	75,000	1,295	3,337	288	3,049		48	3,001
1949-50	3,320	73,000	288	3,682	347	3,105		104	3,001
1950-51	4,202	94,000	347	4,548	527	4,021		7	4,014
(Per cases)									
1947-48	9,324	125,000	62	9,512	295	9,212		376	8,836
1948-49	5,154	95,000	295	10,449	3,216	7,232		241	6,991
1949-50	6,135	445,000	3,046	9,226	2,024	7,202	115	400	6,687
1950-51	6,310	322,000	2,024	8,334	1,420	6,127	147	615	5,365
1951-52	6,999		1,420	8,419	2,235	6,184	149	501	5,534
1952-53	7,469	6,277	2,235	9,712	3,047	6,665	229	592	5,844
1953-54	6,056	172,000	3,047	9,275	1,297	7,978	297	745	6,936
1954-55	5,974		1,297	7,271	1,226	6,045	113	865	5,067
1955-56	6,809		1,226	8,035	1,548	6,487	316	1,056	5,115
1956-57*	11,033		1,548	12,581	2,351	10,230	172	1,350	8,708

* Preliminary, subject to revision.

Source: Canners leagues of California and U. S. Departments of Commerce and Defense.